

CONTENTS - VOLUME X, 1984

No. 1

Comparison of three ¹²⁵ I-radiolabelled penicillins in PBP studies. BARON P., MICHELOT D., MASSON J.M., LABIA R.	1
<i>In vitro</i> activity of teichomycin against clinical isolates of Gram-positive bacteria: preliminary results. FIETTA A., MANGIAROTTI P., GIALDRONI GRASSI G.	5
<i>In vitro</i> antimycotic activity of tolciolate and relevant ultrastructural modifications. COSTA A.L., BATTAGLIA A.	9
Plasma and tissue levels of clofocetol in the rat. DUCCI M., SCALORI V., DEL TACCA M., BERNARDINI M.C., MAZZANTI L., BERTELLI A.	21
The affinity of cefotaxime and its <i>anti</i> isomer for penicillin-binding proteins, measured by means of a new radioactive penicillin. LABIA R., MASSON J.M., BARON P.	27
Pharmacokinetics of a trimethoprim-sulphametrole combination after oral administration. WEBSTER D.R., MANDER P.E., PATON D.M.	33
Cefoperazone: blood and CSF levels in patients with inflamed and uninflamed haematoencephalic barrier. COSTANZO E., FALSAPERLA A., PENNISI G., SAMPERI R., GISMONDO M.R.	39
Microbiological and clinical study on a new chemotherapeutic agent for urinary tract infections: MK-0366. PANTOSTI A., GIULIANO M., TESTORE G.P., PANICHI G.	43
Scanning electron microscopy of morphological alterations in bacteria induced by fosfolactam combinations. CARLONE N.A., CUFFINI A.M., BESSONE S., MARCA G.	47
Therapeutic experience with cefosfolactamines: clinical and bacteriological results of two multi-centre double-blind studies. BARRECA T., CICHETTI M., INDIVERI F., PATERNO E., PIERRI I., ROLANDI E.	55
Sisomicin penetration in gallbladder tissue and bile in man. BONADIO M., CATANIA B., GIULIANI L., COLIZZI C.	63

No. 2

A biodistribution study of 1- ¹⁴ C-1,2-cyclohexanedione-bis(4-diethylenoxythiosemicarbazone), a potential antitumour agent. VARUGHESI A., WILLIAMS L., MORGAN H.K.	67
Biological and pharmacological properties of new anthracycline derivatives. FORMELLI F., CASAZZA A.M.	75
Antitumour activity and cardiotoxicity of new 4-demethoxyanalogues of daunorubicin and doxorubicin. BARBIERI B., BELLINI O., SAVI G., BERTAZZOLI C., PENCO S., CASAZZA A.M.	85

Contents Index

Comparison of the cardiotoxicity of anthracyclines in two experimental models in mice. BELLINI O., TOSANA M.G., BERTAZZOLI C.	91
Protection by cyproheptadine against adriamycin-induced toxicity in mice. BOSSA R., GALATULAS I., CANTONI V.	97
The action of flunarizine on adriamycin-induced cardiotoxicity in the rat. SOLDANI G., DEL TACCA M., GIOVANNINI L., BERTELLI A., DELLA TORRE P., BALLERINI L.	101
Polygraphic evaluation of effects of carnitine in patients on adriamycin treatment. FURITANO G., PATERNA S., PERRICONE R., BARBARINO C., PALUMBO F.P., DI TRAPANI R., CAMPISI D.	107
Animal toxicology studies on oral formulation of Antineoplaston A10. BURZYNSKI S.R., MOHABBAT M.O., BURZYNSKI B.	113
A comparative study of 2-(3-benzoylphenyl) propionic acid in its free and 1-(P-chlorobenzhydryl)-4-[2-(2-hydroxyethoxy)-ethyl] piperazine esterified forms. PALMIERI L., RONCA-TESTONI S., SHNÖBLINGOVA Z.	119
A parallel double-blind trial on the selective serotonin uptake inhibitor RO 11-2465 and amitriptyline in depression. AVENTO V.-P., KOSKINEN T., KYLMÄMÄÄ T., LEPOLA U., SUOMINEN J.	127
Hypolipaeic effect of guanfacine: two years' follow-up. HAUGER-KLEVEEN J.H.	133
Dimethylpyridine maleate in the treatment of recurrent spasmodic croup. BIBI H., DRACHMAN R., SHARON N., SCHWARTZ Y., SCHLESINGER M., POLLAK S., VARDY P.A.	141
 No. 3	
PREFACE	147
Antimicrobial resistance in <i>Bacteroides</i> . TALLY F.P., BIELUCH V.M., CUCHURAL G.J., MALAMY M.H.	149
Anaerobic infections in the upper respiratory tract. NORD C.E., HEIMDAHL A., LUNDBERG C.	155
Anaerobic infections of the lower airways. BARTLETT J.G.	161
Anaerobic infections in gynaecology and obstetrics. SWEET R.L.	165
Prophylaxis and treatment of intra-abdominal anaerobic infections. GORBACH S.L.	173
Future aspects of the treatment and prophylaxis of anaerobic infections. FINEGOLD S.M.	179
Human actinomycoses. PULVERER G., SCHAAL K.P.	187

No. 4

Antiarrhythmic activity and acute toxicity of cis- and trans-isomers of 5-(3,4,5-trimethoxybenzamido)-2-methyldecahydroisoquinoline (M-30 & M-32). LAWSON J.W., WOJCIECHOWSKI N.K.	197
Use of a physiological substance, acetyl-carnitine, in the treatment of angiospastic syndromes. POLA P., SAVI L., SERRICCHIO M., DAL LAGO A., GRILLI M., TONDI P.	213
Beneficial effects of L-Carnitine in the reduction of the necrotic area in acute myocardial infarction. REBUZZI A.G., SCHIAVONI G., AMICO C.M., MONTENERO A.S., MEO F., MANZOLI U.	219
Effective of age on the disposition of α -[(dimethylamino)methyl]-2-(3-ethyl-5-methyl-4-isoxazolyl)-1H-3-indolemethanol in the rat. TSE F.L.S., ORWIG B.A., CHANG T., GUARDUCCI L., JAFFE J.M.	225
Observations on the action of diphenylhydantoin on the neuromuscular preparation of the rat diaphragm. GRAMMATICOS P., MIRTUSU-FIDANI V., SUSLOUS C., PARADELLIS A.	235
Pharmacokinetics of premaripam, a new anti-anxiety pyrrolodiazepine, in the rat and the dog. ASSANDRI A., BERNAREGGI A., BARONE D., ODASSO G.	241
Hypothalamic phospholipid liposomes in the treatment of anxiety-depressive syndromes associated with organic diseases of an internal medical nature. A double-blind cross-over study. LICATA G., SCAGLIONE R., DI VINCENZO D., DICHIARA M.A.	253
The effects of a thiazole analogue (U-53,059) with antiplatelet activity in normal man. LINET O.I., ECKERT S.M., GRUBER C.A., HUANG D.C.	263
A study of the absorption of octylonium bromide following oral administration in man. SIGNORINI C., TOSONI S., BALLERINI R., CHINOL M., MANNUCCI C.	273
Clinical effectiveness and safety of dexindoprofen suppositories in osteoarthritis patients. A double-blind placebo-controlled trial. BRÖLL H., TAUSCH G.	277
Preliminary note on the use of meals of different chemical complexity in relation to the pancreatic secretory response. CORNIA G.L., LAMI F., CALLEGARI C., MIGLIOLI M., COCCHI M., TURCHETTO E.	283
A double-blind study comparing two nasal sprays of beclomethasone dipropionate in the management of seasonal rhinitis. BAGGOTT P.J., DASH C.H., HAYDOCK A., POVER G.M., SIDWELL S.	287

No. 5

<i>In vivo</i> antibacterial activity of a novel cephamycin, MT-141, on Gram-negative infection in mice. WATANABE T., KAZUNO Y., KAWAHARAJA K., GOI H., INOUE S., NISHINO T.	293
The use of redox compounds as potentiators of aminoglycoside sensitivity in highly resistant Gram-negative bacteria. PESSIONE E., MARTINETTO P., GIUNTA C., ACHINO A., CURINO E.	303

Contents Index

Comparative <i>in vitro</i> antibacterial activity of norfloxacin versus four other quinolone derivatives. HUSSON M.O., IZARD D., LECLERC H.	315
New information on the antibacterial activity of Clofoctol. BUOGO A.	321
Urinary excretion of mutagenic forms of metronidazole and nine related compounds as detected by HPLC. CANTELLI FORTI G., GUERRA M.C., HRELIA P., BARBARO A.M., BIAGI G.L.	325
Serum bactericidal activity of ampicillin and mezlocillin with and without sulbactam. VAN DER AUWERA P., KLASTERSKY J.	333
Treatment with Kefprim syrup of various infectious conditions in infants. A multi-centre study on 91 cases. WEIPPL G., HARTL E., ROSENKRANZ A., STÖGMANN E., HUBER E.G., HOHENAUER L., JUILLARD E., D'APUZZO V., FINK M., BLÜMEL P., PILET F., PETRESCU D., GROPPI W., FANFANI A., MANDELLI V.	345
Miraxid versus augmentin in exacerbations of chronic bronchitis. BEUMER H.M., SIPS A.P.	351
Effect of methisoprinol on H-1 and X14 parvoviruses and polyoma virus replication: biochemical and virological studies. TEMPERA G., CASTRO A., AVOLA R., GAROZZO A., RUSSO G., GISMONDO M.R., RICCERI G.	357
 No. 6	
<i>In vitro</i> and <i>in vivo</i> activity of miocamycin and a metabolite, Mb-12, against <i>Mycoplasma pneumoniae</i> . WATANABE T., MIYAUCHI K., KAZUNO Y., KOJIMA T., INOUE S., HAYATSU E., KAWAKUBO Y., YOSHIOKA M.	371
<i>In vitro</i> activity of some macrolides against clinically isolated and ATCC strains of T-mycoplasmas. TEMPERA G., FURNERI P.M., NICOLETTI G., COCUZZA G.	379
The antihypertensive activity and pharmacokinetic properties of 5-(5', 5', 5'-trifluoropentoxy)-2-pyridinecarboxylic acid in rats. SUGIYAMA S., ASAOA H., HAYASAKA Y., HACHISU M., TSURUOKA T., INOUE S., NIIDA T.	387
Effect of nicardipine on vertebral blood flow in dogs. ROCA J., BALASCH J.	399
Respiratory effects of propafenone in asthmatic volunteers. CAZZOLA M., LOBEFALO G., ROSATTI F., BRITA G., PERSICO N., DEL GAUDIO F., MARMO E.	405
Acute effects of carnitine in primary myopathies evaluated by quantitative electromyography. FRASCARELLI M., ROCCHI L., CALVANI M.	413
Efficacy of flurbiprofen versus placebo on postoperative course following cataract extraction. BIZZOTTO M.F., DE FRANCO I., CARILLIO F.	421
Effect of 9-hydroxy-19-20 bis-nor prostanoic acid on the healing of duodenal ulcer. A randomized, open, controlled trial versus cimetidine. FOSCHI D., FERRANTE F., NOSENZO M.A., NERVETTI G., TOTI G.L., ROVATI V.	427

No. 7

<i>In vitro</i> activity of azlocillin, aminoglycosides and oxacins against <i>Pseudomonas aeruginosa</i> . VANGDAL M., BERGAN T.	433
Interactions of cefsulodin with beta-lactamases from <i>Pseudomonas aeruginosa</i> . LABIA R., BEGUIN R., MORAND A., KAZMIERCZAK A.	437
<i>In vitro</i> synergistic activity of norfloxacin and amphotericin-B against fungi. VANGDAL M., BERGAN T.	443
Cinoxacin in the treatment of urinary tract infections in geriatric patients. RANNIKKO S.	445
Respiratory tract infections in paediatrics. Simultaneous administration of cephalixin and bromhexine. CARAMIA G., COMPAGNONI L., EUGENI C.E., BORGOGNONI N.	451
Treatment of upper and lower respiratory tract infections in children by a combination of cephalixin plus bromhexine: a report on 100 cases. BONER A.L., ANTOLINI I., VALLETTA E.A., ANDREOLI A., MENGONI M.	455
Comparative study of colonization by <i>Candida</i> of the respiratory tract of patients treated with amoxycillin, doxycycline or minocycline. PIERARD P., VAN DER AUWERA P., QUARRE J.P., RAMAUT M., THIRIAUX J.	459
Recombinant human IFN Alpha 2 (rHu-IFN-Alpha 2) in advanced breast cancer. LENZHOFFER R., MICKSCHE M., DITTRICH C., GRANINGER W., JAKESZ R., KOLB R., MOSER K.	463
Comparative evaluation between total parenteral nutrition and methisoprinol as immunomodulating agents in cancer patients. BENEDETTI M., AMANTI C., MIDIRI G.	471
UBIQUINONE: perspectives on CO Q₁₀ therapy	
Multiple roles of ubiquinone in mammalian cells. LENZ G., PARENTI CASTELLI G.	481
Coenzyme Q and antioxidant activity: facts and perspectives. LITTARRU G.P., LIPPA S.	491
Deficiency of coenzyme Q ₁₀ in myocardial failure. MORTENSEN S.A., VADHANAVIKIT S., FOLKERS K.	497
Clinical studies with coenzyme Q ₁₀ in patients with congestive heart failure. SCHNEEBERGER W., ZILLIKEN F., MORITZ J., MÜLLER-STEINWACHS J., BEEKO R., ORLAND-KÜSTER D., FOLKERS K.	503
Progress in biomedical and clinical research on coenzyme Q ₁₀ . FOLKERS K., WOLANIUK A.	513

Nos. 8/9

Studies on low molecular weight immunomodifiers, bestatin, etc. Discovery and actions UMEZAWA H.	519
A review of clinical studies on pepiomyacin OKA S.	533
Evaluation of dibekacin versus gentamicin, netilmicin, tobramycin, amikacin and neomycin toxic potential: a biochemical and morphometric approach MORIN J.P., OLIER B., VIOTTE G., GODIN M., FILLASTRE J.P.	537

Contents Index

An immunoenzymatic method for the evaluation of humoral immune response to β -lactam antibiotics MASTROENI P., FOCÀ A., LEONARDI M.S., BONINA L., LIBERTO M.C.	543
Immunomodulatory effect of new radical scavengers FEHÉR J., CORNIDES Á., VERECKEI A., LÁNG I., NÉKÁM K., PERL A., GERGELY P.	549
Penetration of Ca-hopantenate (alkyl derivative of GABA) through blood-brain barrier into brain tissue in rat ABE T., OGAWA K., HIRAIWA M., FUJII R., SUGIHARA J., HARIGAYA S.	563
Antagonism of the Ca^{2+} -calmodulin stimulation of brain cyclic nucleotide phosphodiesterase by phentiazamine, a piscine anaesthetic HACHISU M., SEKIZAWA Y., HACHISU R., EPSTEIN P.M.	573
A phenylacetamide (FX 205-754) as a potent non-narcotic analgesic FOOTE R.W., RÖMER D., ACHINI R.	579
Preclinical pharmacological studies with nimesulide SWINGLE K.F., MOORE G.G.I.	587
The effect of nimesulide on intrauterine pressure in dysmenorrhoeic women PULKKINEN M.O.	599
Tissue culture and acute animal toxicity studies of Antineoplaston A2 LEE S.S., MOHABBAT M.O., BURZYNSKI S.R.	607
Toxicology studies on oral formulation of Antineoplaston A10 in cancer patients BURZYNSKI S.R., MOHABBAT M.O., BURZYNSKI B.	611
Effect of a single oral dose of acipimox on glucose utilization after intravenous glucose load in obese patients REGAL H., LAGEDER H., IRSIGLER K., MAGGI E., MANDELLI V., TAMASSIA V., PETRESCU D.	621
Combined antibiotic plus mucolytic treatment of acute or recurrent pneumonia in children BONER A.L., VALLETTA E.A., STOCCHERO L., RICHELLI C., BENNATI D.	627
No. 10	
Development of new semisynthetic aminoglycoside antibiotics. UMEZAWA H., KONDO S., KITASATO I.	631
Experimental studies on peplomycin, a new derivative of bleomycin. ISHII Y., EKIMOTO H., NISHIKAWA K., TAKAHASHI K., MATSUDA A., UMEZAWA H.	637
Efficacy of bestatin for acute non-lymphocytic leukaemia. A cooperative bestatin chemotherapeutic group study. OTA K.	643
Comparative <i>in-vitro</i> studies on a new azaquinolone, enoxacin. SELWYN S., BAKHTIAR M.	653
Bactericidal activity of pefloxacin compared with ten other antibiotics on <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> . BOUANCHAUD D.H., ROLIN O.	669
Efficacy of difluoromethylornithine upon a drug-resistant <i>Trypanosoma congolense</i> strain in mice. SCHILLINGER D., GORTON E.	677

Studies on the mechanism of action of the spiropiperidylrifamycin LM 427 on rifampicin-resistant <i>M. tuberculosis</i> .	
UNGHERI D., DELLA BRUNA C., SANFILIPPO A.	681
Treatment of hepatic encephalopathy with L/105, a new non-absorbable rifamycin.	
EFTIMIADI C., DELEO C., SCHITO G.C.	691
Protection of amoxycillin and ticarcillin with clavulanic acid from inactivation by β -lactamases in an experimental localized infection.	
CATHERALL E.J., MIZEN L.	697
Therapeutic relevance of antibiotic-induced augmentation of host defences in experimental infections.	
LAM C., LABER G., HILDEBRANDT J., WENZEL A., TURNOWSKY F., SCHÜTZE E.	703
Audiological evaluation of the efficacy of flurbiprofen in serous otitis media.	
TEATINI G.P.	713
Effect of doxammet on meal-stimulated gastric acid secretion in man. A preliminary report.	
PARENTE F., BIANCHI PORRO G.	719
Long-term efficacy of captopril in congestive heart failure.	
FOLLI G., POZZOLI G., DI TULLIO M., TAROLO G.L., PICOZZI R., AVANZINI F., DE MARIA R., SPONZILLI C., VITOLO E.	723

No. 11

Biophysical studies permitting an approach to a second generation of less cardiotoxic anthracyclines.	
LOWN J.W., SONDEHI S.M., SHAU-FUNG YEN, PLAMBECK J.A., PETERS J.H., ACTON E.M., GORDON G.R.	735
A review of the acute and chronic toxicity of mitoxantrone.	
MCDONALD M., POSNER L.E., DUKART G., SCOTT S.C.	745
Prevention of doxorubicin-induced liver toxicity by a new dihydroquinoline-type antioxidant.	
VERECKEI A., CORNIDES Á., KISS Á., SRÉTER L., TONCSEV H., FEHÉR J.	753
The antitumour action of doxycycline.	
KROON A.M., DONTJE B.H.J., HOLTROP M., VAN DEN BOGERT C.	759
Coumarin in melanoma patients: an experimental and clinical study.	
ZÄNKER K.S., BLÜMEL G., LANGE J., SIEWERT J.R.	767
Resumption of cell division in filaments induced in <i>E. coli</i> by beta-lactam antibiotics possessing affinity for PBP-3.	
COSTA A., BOTTA G.A.	675
Species differences in cephalosporin-induced lipid peroxidation.	
COJOCEL C., INSELMANN G., LAESCHKE K.H., BAUMANN K.	781
Hospital dissemination among Gram-negative bacillus strains of an Inc M plasmid encoding an AAC(3) and a TEM-1 beta-lactamase.	
RIVERA M.J., VITORIA M.A., NAVARRO M., ROBLEDANO L., CHOCARRO P., GÓMEZ LUS R.	789
Sensitivity of <i>Bacillus cereus</i> to twelve antibiotics.	
BIRCH B.R., GANGULI L.A., PERERA B.S.	797
Factors affecting <i>in vitro</i> interactions between aminoglycosides and beta-lactam antibiotics.	
BOTTA G.A., COSTA A., TONI M., SCHITO G.C.	801
Interaction of aminoglycoside antibiotics with H ₂ -receptor blocking agents at the neuromuscular junctions.	

Contents Index

PARADELIS A.G., TRIANTAPHYLIDIS C.J., STAVRAKIS A.O., CRASSARIS L.G.	807
Influence of antibiotics on immunological parameters: significance in experimental infections.	
GILLISSEN G., PUSZTAI-MARKOS Zs.	813
Pharmacokinetic properties of ceftazidime.	
BERGOGNE-BEREZIN E.	821
Ceftazidime in the therapy of nosocomial pneumonia in high risk patients.	
ALTUCCI P., CRISTIANO P., IOVENE M.R., SAVIOLI L.	827
Severe <i>Pseudomonas fluorescens</i> sepsis with bone marrow failure cured by ceftazidime.	
GIOANNINI P., BIGLINO A.	831

No. 12

Antedrug: a conceptual basis for safer anti-inflammatory steroids.	
LEE H.J., KHALIL M.A., LEE J.W.	835
Effect of E-0710, a farnesyl ester of indomethacin, on rat synovial cell prostaglandin production in culture.	
KOBAYASHI S., HASHIDA R., SHIROTA H., YOSHIMATSU K., HARADA K., ABE S., YAMATSU I., MIZUSHIMA Y., NAGAI Y.	845
Imidazole 2-hydroxybenzoate: a new anti-inflammatory drug. Interactions with the arachidonic acid cascade.	
FANTOZZI R.	853
Non-steroidal anti-inflammatory drugs which exert an inhibitory effect on mitochondrial reactions.	
SHIOJIRI H., KAWAI K., NOZAWA Y., NOZAKI M., TSURUMI K., FUJIMURA H.	857
Ketoprofen lysine: ketoprofen serum levels and analgesic activity.	
D'ARIENZO M., PENNISI M., ZANOLO G., BORSA M.	863
Studies on the nature of tolerance to the anticonvulsant effects of a 1,5-benzodiazepine, clobazam, in mice.	
GENT J.P., HAIGH J.R.M., MEHTA A., FEELY M.	867
Antinociceptive activity of intrathecal opioid and non-opioid peptides ascertained by different analgesimetric procedures.	
CANDELETTI S., CAVICCHINI E., ROMUALDI P., SPAMPINATO S., FERRI S.	877
CNCC, a new nitrosourea cysteamine analogue. I. Experimental study.	
MARAL R., MATHE G., SCHEIN P., BOURUT C., CHENU E., IMBACH J.L., OIRY J.	883
Human toxicology studies on oral formulation of Antineoplaston A10.	
BURZYNSKI S.R., MOHABBAT M.O., BURZYNSKI B.	891
Treatment of refractory thyroid cancer with adriamycin.	
PACINI F., VITTI P., MARTINO E., GIANI C., BAMBINI G., PINCHERA A., BASCHIERI L.	911
Treatment of aplastic anaemia with ATGAM® (antithymocyte globulin [equine]).	
LOMEN P.L., LAMBORN K.R., LOUGHMAN B.E.	915
The pharmacodynamics of <i>in vivo</i> administered Thymomodulin.	
KOUTTAB N.M., TWOMEY J.J.	921
Preliminary <i>in vitro</i> assessment of the mucolytic activity of sfericase by rheological investigation.	
BRAGA P.C., BOSSI R., ALLEGRA L.	929

